This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: COLOTTA, Francesco
MUZIO, Marta
MANTOVANI, Alberto

(ii) TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME, AND ANTIBODIES THERETO

(iii) NUMBER OF SEQUENCES: 17

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: BROWDY AND NEIMARK
(B) STREET: 419 Seventh Street, N.W., Suite 300
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: USA
(F) ZIP: 20004

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/476,860
(B) FILING DATE: 07-JUN-1995

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: IT MI 94 A 002097
(B) FILING DATE: 13-OCT-1994

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: YUN, Allen C.
(B) REGISTRATION NUMBER: 37,971
(C) REFERENCE/DOCKET NUMBER: COLOTTA=1A

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 202-628-5197
(B) TELEFAX: 202-737-3528

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 25 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(iii) HYPOTHETICAL: NO

(ix) FEATURE:
(D) OTHER INFORMATION: RT-PCR oligonucleotide named IRA5

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

CTGACTTGTA TGAAGAAGGA GGTGG 25

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 20 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(iii) HYPOTHETICAL: NO

(ix) FEATURE:
(D) OTHER INFORMATION: RT-PCR oligonucleotide corresponding to 60-79 of B-actin

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

GCGCTCGTCG TCGACAACGG 20

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 21 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

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100      (iii) HYPOTHETICAL: NO
101
102       (ix) FEATURE:
103            (D) OTHER INFORMATION: RT-PCR backward oligonucleotide
104                                  complementary to 430-449
105
106       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
107
108   GATAGACAAC GTACATGGCT G                                                21
109
110   (2) INFORMATION FOR SEQ ID NO: 4:
111
112        (i) SEQUENCE CHARACTERISTICS:
113            (A) LENGTH: 87 base pairs
114            (B) TYPE: nucleic acid
115            (C) STRANDEDNESS: single
116            (D) TOPOLOGY: linear
117
118       (ii) MOLECULE TYPE: DNA
119
120      (iii) HYPOTHETICAL: NO
121
122       (ix) FEATURE:
123            (D) OTHER INFORMATION: Sequence of sIL-1ra not in common
124
125       (ix) FEATURE:
126            (A) NAME/KEY: CDS
127            (B) LOCATION: 24..86
128
129       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
130
131   GAATTCCGGG CTGCAGTCAC AGA ATG GAA ATC TGC AGA GGC CTC CGC AGT          50
132                            Met Glu Ile Cys Arg Gly Leu Arg Ser
133                              1               5
134
135   CAC CTA ATC ACT CTC CTC CTC TTC CTG TTC CAT TCA G                      87
136   His Leu Ile Thr Leu Leu Leu Phe Leu Phe His Ser
137    10                  15                  20
138
139
140   (2) INFORMATION FOR SEQ ID NO: 5:
141
142          (i) SEQUENCE CHARACTERISTICS:
143             (A) LENGTH: 21 amino acids
144             (B) TYPE: amino acid
145             (D) TOPOLOGY: linear
146
147       (ii) MOLECULE TYPE: protein
148
149       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
150
151   Met Glu Ile Cys Arg Gly Leu Arg Ser His Leu Ile Thr Leu Leu Leu
152     1               5                  10                  15
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153
154  Phe Leu Phe His Ser
155                20
156
157  (2) INFORMATION FOR SEQ ID NO: 6:
158
159       (i) SEQUENCE CHARACTERISTICS:
160            (A) LENGTH: 42 base pairs
161            (B) TYPE: nucleic acid
162            (C) STRANDEDNESS: single
163            (D) TOPOLOGY: linear
164
165      (ii) MOLECULE TYPE: DNA
166
167     (iii) HYPOTHETICAL: NO
168
169      (ix) FEATURE:
170            (D) OTHER INFORMATION: Sequence of intracellular IL-1ra
171                                  typeI not in common
172
173      (ix) FEATURE:
174            (A) NAME/KEY: CDS
175            (B) LOCATION: 33..41
176
177      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
178
179  CAGAAGACCT CCTGTCCTAT GAGGCCCTCC CC ATG GCT TTA G                    42
180                                        Met Ala Leu
181                                          1
182
183
184  (2) INFORMATION FOR SEQ ID NO: 7:
185
186       (i) SEQUENCE CHARACTERISTICS:
187            (A) LENGTH: 105 base pairs
188            (B) TYPE: nucleic acid
189            (C) STRANDEDNESS: single
190            (D) TOPOLOGY: linear
191
192      (ii) MOLECULE TYPE: DNA
193
194     (iii) HYPOTHETICAL: NO
195
196      (ix) FEATURE:
197            (D) OTHER INFORMATION: Sequence of intracellular IL-1ra
198                                  typeII not in common
199
200      (ix) FEATURE:
201            (A) NAME/KEY: CDS
202            (B) LOCATION: 33..104
203
204      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
205
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206
207  CAGAAGACCT CCTGTCCTAT GAGGCCCTCC CC ATG GCT TTA GCT GAC TTG TAT        53
208                                      Met Ala Leu Ala Asp Leu Tyr
209                                        1               5
210
211  GAA GAA GGA GGT GGA GGA GGA GGA GAA GGT GAA GAC AAT GCT GAC TCA       101
212  Glu Glu Gly Gly Gly Gly Gly Gly Glu Gly Glu Asp Asn Ala Asp Ser
213           10                  15                  20
214
215  AAG G                                                              105
216  Lys
217
218
219  (2) INFORMATION FOR SEQ ID NO: 8:
220
221         (i) SEQUENCE CHARACTERISTICS:
222            (A) LENGTH: 24 amino acids
223            (B) TYPE: amino acid
224            (D) TOPOLOGY: linear
225
226      (ii) MOLECULE TYPE: protein
227
228      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
229
230  Met Ala Leu Ala Asp Leu Tyr Glu Glu Gly Gly Gly Gly Gly Gly Glu
231    1               5                  10                  15
232
233  Gly Glu Asp Asn Ala Asp Ser Lys
234                20
235
236  (2) INFORMATION FOR SEQ ID NO: 9:
237
238       (i) SEQUENCE CHARACTERISTICS:
239            (A) LENGTH: 474 base pairs
240            (B) TYPE: nucleic acid
241            (C) STRANDEDNESS: single
242            (D) TOPOLOGY: linear
243
244      (ii) MOLECULE TYPE: DNA
245
246     (iii) HYPOTHETICAL: NO
247
248      (ix) FEATURE:
249            (D) OTHER INFORMATION: Common IL-1ra sequence; a nucleotide G
250                      was added in the first position, for computer program
251                      reason,  in order to encode the first amino acid  Glu
252                      and further in order to avoid the creation of a  stop
253                      codon in the inner region of the sequence
254
255      (ix) FEATURE:
256            (A) NAME/KEY: CDS
257            (B) LOCATION: 1..468
258
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION ***US/08/910,733***

DATE: 02/17/98
TIME: 09:55:16

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